

VoiceLive 2 Manual Addendum

Overview

This addendum adds detail on features and enhancements found in VoiceLive 2 version 1.1.0. There are sections:

1. A rewritten “Connecting VoiceLive 2 to a Computer” section
2. “Connecting The Expression Pedal” section

Installing The Update

Note: this requires the VoiceSupport application that came on the CD with your VoiceLive 2. It is also available from the TC-Helicon website.

1. Connect a USB cable between VoiceLive 2 and your computer. It's OK if the computer and VoiceLive are powered while connecting.
2. Check that the USB CONTROL parameter in the SYSTEM tab under the Setup button is ON.
2. Run the VoiceSupport application. When the app and VoiceLive 2 are successfully connected, the icon

at the top right of the window will join and show “Connected”. After a moment, a series of news items will be shown.

3. Click on the Software Update news item for version 1.1. This will take you to a screen where you can see a description of the version and, at the bottom of the page, a link that says “Click Here To Update”. Click on this link and follow the prompts to update your unit.

Connecting VoiceLive 2 To A Computer

The USB Connection

Connecting the supplied USB cable between VoiceLive 2 and your Mac or PC computer offers the following benefits:

- o Audio input and output for recording, processing and monitoring without a separate audio I/O box
- o MIDI connection from your computer to VoiceLive 2 without an external MIDI interface.
- o Easy backup and restore of preset and system settings
- o Simplified system updates
- o Information and tutorial videos

The VoiceSupport Application

This is a web-enabled application intended to enhance your experience with VoiceLive 2. As well as keeping you up-to-date with the latest TC-Helicon news items and support materials, VoiceSupport simplifies system updates, preset backups and product registration.

VoiceLive 2 does not need to be USB-connected in order to access the tutorials, news and other downloads. Also, you may view videos and other media from the included CD without connecting to the internet.

PC Installation

1. Place the supplied VoiceSupport application CD in your computer CD drive. If the install wizard does not start automatically double click the setup.exe file on the CD.
2. Follow the instructions on the installation wizard.
3. Connect VoiceLive 2 when prompted.

VoiceSupport will run automatically when the install is complete.

Mac Installation

1. Place the supplied VoiceSupport application CD in your computer CD drive.
2. Open the VoiceSupport.pkg icon on the CD to start the installation.
3. Follow the prompts on the installation wizard.

Connecting VoiceLive 2 To A Computer

After the wizard finishes, connect your VoiceLive 2 and start VoiceSupport, located in the Applications folder:

The first time you open VoiceSupport it may take a while to load as it must download all of the newest content.

When the application finishes loading it should display "VoiceLive 2" in the top right corner and a connection icon, indicating that connected was successful. If it says "Not Connected", check that the USB cable is properly attached and then click the blue connection button. If this is still unsuccessful, remove any USB MIDI devices connected to your computer and retry.

VoiceLive 2 And Digital Audio

Here are a few common methods of using VoiceLive 2 with a USB-connected computer and an audio application (DAW):

1. Capturing a full mix of your performance
2. Processing vocals from your DAW
3. Recording dry vocal and guitar tracks

We assume you are familiar with configuring your audio application for input and output and that you understand connection of VoiceLive 2's inputs and outputs.

Method 1 - Capturing a full mix of your performance:

Set VoiceLive 2's I/O parameters as such:

DIGITAL IN: USB: STEREO

DIGITAL OUT: FULL MIX

Connect your mic and headphones to VoiceLive2 and pick a preset you like. VoiceLive 2 will send the fully processed sound to your DAW and you'll be able to monitor through your headphones or the analog audio outputs of VoiceLive 2. In order to set VoiceLive 2's sample rate, play a little bit of audio from your DAW before recording your vocal track.

Method #2 - Processing vocals from your DAW:

To use VoiceLive 2 as an effects insert, set the I/O parameters as such:

1. DIGITAL IN: USB: VOX L / INST R

Connecting VoiceLive 2 To A Computer

2. DIGITAL OUT: FULL MIX

Configure an aux send in your DAW to send the vocal track to VoiceLive 2's left input and the instrument track to the right. You can monitor through VoiceLive's headphone or main outputs. When playing back using VoiceLive 2 as the output audio device, don't forget to set the DIGITAL IN back to USB: STEREO.

Method #3 - Recording dry vocal and guitar tracks:

You'll need a fully dry mono vocal track and optionally, a dry instrument track (guitar or keyboard) or midi performance if you plan to use harmony. Set the I/O parameters as such:

1. DIGITAL IN: USB: FULL MIX
2. DIGITAL OUT: VOCAL & GUITAR

Connect your mic and a guitar to VoiceLive 2 and your headphones to the headphone out. Even though you'll hear fully processed vocals and guitar (with Guitar FX) in the headphones, the output feeding your DAW will be

separate dry vocal and guitar that you can process later with Method #2.

Digital Input Notes:

Sample rate is synchronized automatically to the incoming digital audio stream. There is no independent configuration of sample rate in VoiceLive 2. When processing an analog input such as the MIC and sending to VoiceLive 2's digital out, sending a short bit of audio from your recording application to either Digital in will set the sample rate.

When DIGITAL IN is set to USB:- or SPDIF: VOX L / INST R, the MIC and GUITAR IN are disabled.

When DIGITAL IN is set to USB (or SPDIF): STEREO, harmonies will follow the stereo audio coming from the selected digital input on presets where NATURALPLAY is set to AUX INPUT.

Digital Output Notes:

USB audio output will not function when either of the SPDIF: options is chosen for the DIGITAL IN parameter:

Connecting VoiceLive 2 To A Computer

SPDIF digital output is always available regardless of DIGITAL IN or OUT settings.

USB Audio And ASIO Applications

PC-based ASIO apps such as Cubase may require you to install a WDM to ASIO “wrapper” such as ASIO4ALL which is available at www.asio4all.com in order for VoiceLive 2 to be recognized as an audio device.

Selecting The Audio Device

In the Mac and Vista operating systems, you can select VoiceLive 2's audio device in your workstation program by name. In some Windows XP DAW apps, however, the name of the audio device may be “USB Audio Device”.

USB And MIDI Control

To use VoiceLive 2's MIDI IN jack for harmony, preset change or realtime control *while USB is connected*, enter the I/O tab in the SETUP menu and set USB CONTROL to OFF. USB audio will function normally

but MIDI will only be accepted by VoiceLive 2's through its MIDI IN port.

To re-enable VoiceSupport's features and reception of MIDI from your DAW, turn USB CONTROL to ON.

Connecting The Expression Pedal

Overview

Connecting an expression pedal such as a TC-Helicon Express 1 allows you to adjust the levels of either the VOICES (Harmony and Doubling) or the DELAY/REVERB effects from the main mix screen while standing.

Supported Pedal Types

Both common types of sweep type (or “treadle”) pedals can be used with VoiceLive 2:

- o Guitar-type volume pedal (2 conductor cable)
- o Keyboard-expression pedal (3 conductor cable)

Connections

Guitar-Type Volume Pedal

Connect a standard guitar cable from the Output (or To Amp) jack of the volume pedal to the PEDAL input on the back of VoiceLive 2. It's not necessary to make a connection to the Input of your volume pedal.

Keyboard-Type Expression Pedal

If you are using a keyboard type expression pedal, connect a 3 conductor cable (or the cable built into the pedal) to the PEDAL input on VoiceLive 2.

Pedal Setup

VoiceLive 2 needs to be calibrated so that your pedal's full range can be used properly. Calibration is stored even when the product is powered down so, as long as you use the same pedal, calibration need only be performed once.

To Calibrate The Expression Pedal

1. Press Setup and then navigate to the EXPRESSION tab. The Setup button will flash.
2. Follow the prompts in the display to set the minimum and maximum extents of your pedal.

When successful, the display will show the values of the various positions of the pedal you stop at.

Connecting The Expression Pedal

Assigning The Expression Pedal

The pedal can now be set to control the VOICES or DELAY/REVERB levels.

To assign the pedal globally (affects all presets), to HARMONY LEVEL, DLY/REV LEVEL or OFF choose a value with the knob below the GLOBAL EXPR-PEDAL parameter.

You also have the option of having different expression pedal assignments for different presets. To configure this:

1. Ensure that the GLOBAL EXPR-PEDAL value is OFF
2. Load a preset in which you would like to assign the expression pedal and press the Edit button.
3. Navigate to the PRESET tab

In the PRESET tab, turn the knob below the EXPR-PEDAL parameter to assign either HARMONY LEVEL, DLY/REV LEVEL or OFF to the expression pedal in that preset. Press Store to save the preset. Any preset can have a unique assignment of the expression pedal.

Expression Pedal Notes

When viewing the main mix screen with the expression pedal connected, the VOICES or DELAY/REVERB value is shown as EXPR depending on the assignment. You are still able to adjust the mix level using the respective Mix knob; furthermore *this will become the maximum level when you sweep the pedal to its full position.*

If your volume pedal continues to de-calibrate, or levels jump around when swept, it may be dirty and need replacing.